

ABSTRACT OF THE DISCLOSURE

Cultured cells flat-cultured on a permeable sheet is stacked on other flat-cultured cells together with the permeable sheet to construct a three-dimensional tissue. The
5 three-dimensional tissue is transplanted into a living body. Alternatively, the three-dimensional tissue is stacked up in an artificial organ device to construct a stacked-up, three-dimensional bioartificial organ module. Colony form of the cultured cell can be controlled by using a microporous sheet
10 as the permeable sheet and controlling positions of pores in the microporous sheet to design the form of the artificial organ.